

REMARKS/ARGUMENTS

Claim 4 has been amended in view of the Examiner's Response to Arguments. The amended claim is believed to be in better form and states explicitly what is believed to have been implicit in the claim, i.e. that the wheel body is a unitary element and the transmitter ring is an element separate therefrom. It is respectfully submitted that this raises no new issue and requires no new search, wherefore entry of the amendment is respectfully solicited to place the application in condition for allowance of in better form for appeal.

Rejection of claim 4 under 35 U.S.C. 102(h) as being anticipated by Johncox et al. cited, is respectfully traversed. The cited patent is believed neither to anticipate the claimed subject matter, nor to make it obvious.

Applicant's chain wheel comprises wheel body 1 consisting of wheel rim 3 and wheel hub 2. By definition, a body is a unitary structure and, in the illustrated embodiment, the wheel rim and wheel hub form an integral body. Transmitter ring 5 is separate from the wheel body and is inserted into the wheel rim. The separate transmitter ring has radially inwardly projecting shoulders 6 for detecting angles of rotation of the chain wheel. As has been pointed out on page 1 of the

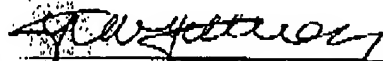
specification, such transmitter rings and their function are part of the prior art. What is new thereover is the insertion of such a transmitter ring with inwardly projecting shoulders 6 into the wheel rim and its attachment to supports 7 distributed over the inner circumference of the wheel rim to form an axial support for the transmitter ring.

Johncox et al do not anticipate such a structure, nor is it obvious from their disclosure. The patent describes a bicycle chain drive sprocket consisting of hub 10, 12 with outwardly extending extensions 20 on which sprocket 66, 80, 98 or 106 is mounted with screw connectors (see Fig. 6). Reference numeral 56 designates hub shoulder surfaces engaged by radially inwardly extending projections 70 of sprocket 66, the shoulder surfaces and projections being screwed together at 70. Sprocket 98 includes an inner cylindrical surface 100 fastened to hub shoulder surface 54 by bolts 104. In all embodiments, the hub has radially projecting shoulder surfaces to which the sprocket is fastened. In other words, all that Johncox et al teach is a wheel body. There is no hint of an element separate from the wheel body, inserted into the wheel rim and attached to supports at the inner circumference of the wheel rim. In the patented structure, the sprocket (wheel rim) is attached to supports on the hub, and there is no separate transmitter ring carried by the wheel body of Johncox et al and

inserted into such a wheel body. Concerning the Examiner's comment that Johncox et al's hub 10 "include a transmitter ring (58/52) and a spoke section as seen in Fig. 3," it should be noted, (1) that 58/52 is not a transmitter ring but recesses and a locating surface on the hub, which are not separate therefrom, as shown in Fig. 2, and (2) reinforcing rings 38 on the hub 10, as seen in Fig. 3, and not spokes on the wheel rim, which connect the hub and rim. In other words, the patent only deals with the wheel body and how its rim and hub are fastened together. It has no hint of an element separate therefrom, such as applicant's transmitter ring, or spokes on the wheel rim. Accordingly, claims 4 and 5 are respectfully submitted clearly to be patentable. Claim 6 is believed to be allowable with claim 4 on which it depends.

A sincere effort having been made to overcome all grounds of rejection, entry of the amendment, favorable reconsideration and allowance of claims 4-6 are respectfully solicited.

Respectfully submitted,  
FRANZ BRAIMSCHEIN



Kurt Kulman, Reg. No. 18,628  
Allison C. Collard, Reg. No. 22,532  
Edward R. Freedman, Reg. No. 26,048  
Attorneys for Applicants

COLLARD & ROE, P.C.  
1077 Northern Boulevard  
Roslyn, New York 11576  
(516) 365-9802

I hereby certify that this correspondence is being sent by telefax to the US PTO, Fax No.:  
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Ingrid Mittendorf

PC:USP-SmitendorfKELMANElaine.dain 20 vmond April 04.wps

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